PENDING CLAIMS 1-8

1 (Currently amended). An assembly for introducing a closure material to seal a puncture site in a blood vessel, the closure material comprising a mixture of first and second components which, upon mixing, react to form a solid closure material composition, the assembly comprising

a catheter for passage through a tissue puncture track and having a distal end, at least one nozzle located adjacent the distal end, and a catheter lumen in the catheter to convey the first and second components for dispensing through the at least one nozzle, and

a structure comprising a wall defining an interior and exterior of the structure, the structure being carried by the catheter distal to the at least one nozzle and being arranged for expansion within the blood vessel to resist outward passage through the puncture site and to thereby locate the at least one nozzle outside the blood vessel adjacent the puncture site, the structure comprising an open configuration allowing blood flow through the wall of the structure.

2 (Original). An assembly according to claim 1

wherein the catheter is sized to block flow of fluid from the nozzle into a substantial part of the tissue puncture, whereby the solid closure material composition forms a localized in situ closure adjacent the vessel puncture site to seal the vessel puncture site.

3 (Original). An assembly according to claim 1

further including a mechanism to operate the structure between a collapsed condition, permitting passage through the puncture site into the blood vessel, and an expanded condition, resisting passage through the puncture site.

4 (Original). An assembly according to claim 3

wherein the mechanism includes an element to selectively lock the structure in a desired expanded, collapsed, or intermediate condition.

5 (Previously amended). An assembly according to claim 1

further including an introducer assembly adapted to communicate with the catheter lumen for dispensing the first and second components into the catheter lumen.

6 (Original). An assembly according to claim 5

wherein the introducer assembly includes an air vent.

7 (Original). An assembly according to claim 5

wherein the introducer assembly includes a mixing chamber to bring the first and second components into a mixed condition before entering the catheter lumen.

8 (Original). An assembly according to claim 5

wherein the introducer assembly includes a closure composition test chamber.

9 (New). An assembly for introducing a closure material to seal a puncture site in a blood vessel, the closure material comprising a mixture of first and second components which, upon mixing, react to form a solid closure material composition, the assembly comprising

a catheter for passage through a tissue puncture track and having a distal end, at least one nozzle located adjacent the distal end, and a catheter lumen in the catheter to convey the first and second components for dispensing through the at least one nozzle, and

a structure carried by the catheter distal to the at least one nozzle and being arranged for expansion within the blood vessel to resist outward passage through the puncture site and to thereby locate the at least one nozzle outside the blood vessel adjacent the puncture site, the structure comprising an open configuration allowing blood flow through the structure,

wherein the catheter is sized to block flow of fluid from the nozzle into a substantial part of the tissue puncture, whereby the solid closure material composition forms a localized in situ closure adjacent the vessel puncture site to seal the vessel puncture site.

10 (New). An assembly for introducing a closure material to seal a puncture site in a blood vessel, the closure material comprising a mixture of first and second components which, upon mixing, react to form a solid closure material composition, the assembly comprising

a catheter for passage through a tissue puncture track and having a distal end, at least one nozzle located adjacent the distal end, and a catheter lumen in the catheter to convey the first and second components for dispensing through the at least one nozzle,

an introducer assembly adapted to communicate with the catheter lumen for dispensing the first and second components into the catheter lumen, the introducer assembly including a mixing chamber to bring the first and second components into a mixed condition before entering the catheter lumen, and

a structure carried by the catheter distal to the at least one nozzle and being arranged for expansion within the blood vessel to resist outward passage through the puncture site and to thereby

locate the at least one nozzle outside the blood vessel adjacent the puncture site, the structure comprising an open configuration allowing blood flow through the structure.

11 (New). An assembly for introducing a closure material to seal a puncture site in a blood vessel, the closure material comprising a mixture of first and second components which, upon mixing, react to form a solid closure material composition, the assembly comprising

a catheter for passage through a tissue puncture track and having a distal end, at least one nozzle located adjacent the distal end, and a catheter lumen in the catheter to convey the first and second components for dispensing through the at least one nozzle,

an introducer assembly adapted to communicate with the catheter lumen for dispensing the first and second components into the catheter lumen, the introducer assembly including a closure composition test chamber, and

a structure carried by the catheter distal to the at least one nozzle and being arranged for expansion within the blood vessel to resist outward passage through the puncture site and to thereby locate the at least one nozzle outside the blood vessel adjacent the puncture site, the structure comprising an open configuration allowing blood flow through the structure.